

**METHOD AND APPARATUS FOR LIMITING SHOCK DAMAGE TO  
HARD DISK DRIVE DURING OPERATION**

**ABSTRACT OF THE DISCLOSURE**

A hard disk drive has a motion limiting element mechanically constraining movement of  
5 a suspension of the disk drive away from a disk of the disk drive in the event of a mechanical  
shock to the disk drive while operating such that an air bearing between the slider on the  
suspension and the disk is not substantially disrupted.